

inorganic electrical conductor, or

b) an isolating material consisting of an organic or inorganic dielectric; and

a patterned or unpatterned charge transfer material on or at a surface of the substrate wherein the charge transfer material

C1  
CDT.  
a) comprises charge transfer components in the form of donors or acceptors,

b) forms a self-assembling layer of one or more atomic and/or molecular layers,

c) has a direct or indirect bond to the surface of the substrate, and

d) forms a charge transfer complex with an organic or inorganic semiconductor, wherein the charge transfer material forms a donor or acceptor material in the charge transfer complex depending upon respectively whether the semiconductor itself is an acceptor or donor material.

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**Please add the following new claim 25.**

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25. A device for electrical contacting or for the isolation of organic or inorganic semiconductors in electronic or optoelectric devices comprising

C2  
a substrate, either in the form of

a) a contact material consisting of an organic or inorganic electrical conductor, or

b) an isolating material consisting of an organic or inorganic dielectric; and  
a patterned or unpatterned charge transfer material on or at a surface of the substrate, wherein the charge transfer material

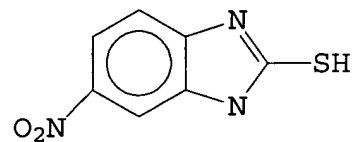
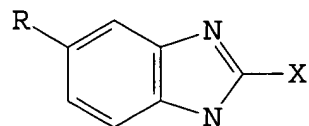
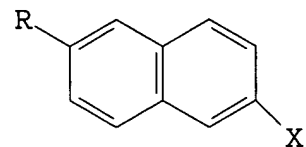
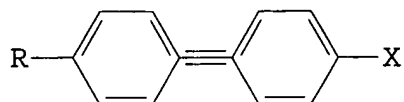
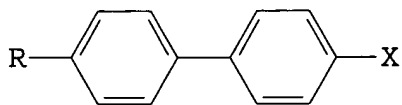
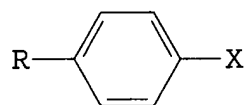
C2  
COO+  
a) comprises charge transfer components in the form of donors or acceptors,

b) forms a self-assembling layer of one or more atomic or molecular layers,

c) has a direct or indirect bond to the surface of the substrate,

d) forms a charge transfer complex with an organic or inorganic semiconductor, wherein the charge transfer material forms a donor or acceptor material in the charge transfer complex depending upon respectively whether the semiconductor itself is an acceptor or donor material, and

e) is made from inorganic charge transfer compound or an organic charge transfer compound selected from the group consisting of



wherein R is F, Cl or NO<sub>2</sub> and X is -NC or SH.